

## CLAIMS

1. A hearing aid, comprising an amplifier for  
amplifying an input signal from an input transducer, a  
5 plurality of rectifying means for rectifying output  
signal or input signal of said amplifier, a smoothing  
capacitor for smoothening direct current rectified by  
said rectifying means, and an attenuation circuit for  
attenuating the level of output signal of said amplifier  
10 when DC voltage smoothened by the smoothing capacitor  
exceeds a certain fixed level.

2. The hearing aid according to claim 1, wherein:  
said attenuation circuit comprises a first  
15 transistor, which turns on when DC voltage smoothened by  
said smoothing capacitor exceeds a certain fixed level  
and draws the input signal of the amplifier; and  
there is provided a charging circuit for charging  
said smoothing capacitor when power turns on.

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3. The hearing aid according to claim 2, wherein:  
there is provided a second transistor to add bias to  
base of said first transistor; and  
said first transistor and said second transistor  
25 have the same characteristics.